

CLAIMS

1. A film cutting device comprising:

a conveyor for conveying a film;

5 a first cutter provided on the conveyor and having a blade edge at an end of a guide surface that is inclined in a direction of getting away from the conveyor; and

a second cutter for cutting a film placed on the guide surface in cooperation with the blade edge of the first cutter,

10 wherein through a relative movement of the first cutter and the second cutter, and the blade edge of the first cutter and a blade edge of the second cutter are gradually engaged with each other in an extending direction thereof in order to cut the film.

2. The film cutting device according to Claim 1, wherein the conveyor is an adsorption type carrying belt that adsorbs the film.

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3. The film cutting device according to Claim 1 or 2, wherein the blade edge of the first cutter is elastically deformable, and the first cutter is provided with a displacement restricting member that restricts an elastic deformation of the blade edge when the film is cut.

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4. The film cutting device according to Claim 3, wherein the first cutter is shaped like a wide band, and the displacement restricting member is provided in a central area in an extending direction of the blade edge of the first cutter.

25 5. The film cutting device according to Claim 1, wherein the displacement

restricting member is in contact with a flank relief of the first cutter crossed with the guide surface at the blade edge thereof.

6. The film cutting device according to Claim 1, wherein the second cutter is a
5 rotary cutter rotatable around a rotational shaft, and the blade edge of the second cutter is installed so that a load acts toward the first cutter when a film is cut.

7. The film cutting device according to Claim 1, wherein the second cutter guides a
10 following film in a direction of the conveyor on a rear side in a moving direction subsequent to the blade edge thereof.

8. The film cutting device according to Claim 1, wherein the first cutter and the
15 second cutter are held integrated as a cutter unit, and can be removably adjusted with respect to the conveyor.

9. The film cutting device according to Claim 1, wherein the first cutter and the
second cutter are held integrated as a cutter unit, and the cutter unit is disposed so as to
be adjustably positioned in a direction in which the film is carried by the conveyor.